

Amendments to the Claims:

Please cancel claims 1-9.

Please add new claims 10-20 as indicated in the listing of claims below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-9 (canceled)

Claim 10 (new): An artificial joint, comprising:

a condyle having a first functional surface; and

a joint socket having including a socket part and an inlay having a second functional surface, the first and second functional surfaces being functionally interlinked, wherein at least one of the first and second functional surface is non-spherical in shape, and each of the first and second functional surfaces have orbital radii that differ from each other in a main functional plane relative to a secondary functional plane rotated by 90° with respect to the main functional plane, and wherein at least one of the functional surfaces is affixable in different positions relative to the respective joint socket or condyle so as to individually adapt the artificial joint to the patient.

Claim 11 (new): The joint as recited in claim 10, wherein one of the first and second functional surfaces displays an asymmetry in the main functional plane as compared to the secondary functional plane while the other of the first and second functional surfaces exhibits symmetrical functional planes.

Claim 12 (new): The joint as recited in claim 10, wherein both the first and second functional surfaces are non-spherical.

Claim 13 (new): The joint as recited in claim 10, wherein the first functional surface is one of drum-shaped, spindle-shaped, and oval.

Claim 14 (new): The joint as recited in claim 10, wherein the first and second functional surfaces are affixable in different locking stages relative to the respective joint socket or condyle so as to set the different positions

Claim 15 (new): The joint as recited in claim 10, wherein one of the first and second functional surfaces is securable in the different positions relative to the respective joint socket or condyle by a positive connection.

Claim 16 (new): The joint as recited in claim 10, wherein one of the first and second functional surfaces is securable in the different positions relative to the respective joint socket or condyle by a shrinkage connection.

Claim 17 (new): The joint as recited in claim 10, wherein a diameter one of the first and second functional surfaces in a frontal plane of the patient is between 0.5 mm and 8 mm greater than a diameter of the respective functional surface in a sagittal plane.

Claim 18 (new): The joint as recited in claim 17, wherein the diameter one of the first and second functional surfaces in the frontal plane of the patient is 2 mm greater than the diameter of the respective functional surface in the sagittal plane.

Claim 19 (new): The joint as recited in claim 10, wherein the first and second functional surfaces are made of polyethylene.

Claim 20 (new): The joint as recited in claim 10, wherein the joint is a human hip replacement joint.